

L5 ANSWER 46 OF 97 CA COPYRIGHT 2001 ACS
 AN 109:42597 CA
 TI Lightweight molded **calcium silicate** for thermal
insulators
 IN Tsuchimoto, Yasushi; Yoko, Hisanori; Nishiyama, Tatsuo; Kubota, Kazuo
 PA Nichias Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C04B028-18
 ICI C04B028-18, C04B014-38, C04B016-02
 CC 57-6 (Ceramics)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63074949	A2	19880405	JP 1986-219173	19860919
AB	The title products are manufd. from milk of lime having pptn. vol. 350-450 mL, siliceous material, alkali-resistant inorg. fibers, pulp fiber (2-8 wt.%), and fibrous wollastonite (10-30 wt.%). Milk of lime (pptn. vol. 420 mL) 420 was mixed with diatomaceous earth 37.5, bentonite 15, water 510, pulp fiber 3.5, alkali-resistant glass fibers 2, and fibrous wollastonite 15 parts, and the slurry was reacted for 9 h under stirring, press molded, and autoclaved to give a tobermorite-based test piece having bending strength 7.5 kg/cm ² and shrinkage 0.51% vs. 6.3 kg/cm ² and 1.25% for one made without wollastonite . When it was heated at 650.degree., no cracking was obsd.				
ST	calcium silicate thermal insulator wollastonite ; tobermorite thermal insulator glass fiber; cellulose pulp tobermorite thermal insulator				
IT					